

ABSTRACT OF THE DISCLOSURE

METHOD TO VERIFY THE EFFICIENCY OF ANTI-JAMMING FOR A COMMUNICATIONS SYSTEM

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A method for the verification of anti-jamming in a communications system comprises several sensors or adaptive antennas, comprising at least the following steps :

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- estimating the mean power $\hat{\pi}_y$ of the output of the communications system,
 - estimating the respective power values P_u or $P'u$, of a station u , the antenna noise P_a or $P'a$, the thermal noise P_T , or $P'T$,
 - estimating at least one of the following ratios :

$$J_{tot}/S_{tot} = (\sum_{p=1}^P P_p) / (\sum_{u=1}^U P_u)$$

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$$J_{tot}/S_u = (\sum_{p=1}^P P_p) / P_u$$

$$J_u/S_u = (\sum_{p=1}^P P_{pu}) / P_u$$

- comparing at least one of the three ratios with a threshold value.